Amendment to the Claims

1. (Previously Presented): A pluggable service delivery platform for supporting many devices requesting many services in an e-business application, comprising:

a device-platform interface, for accepting device requests issued by devices wherein said device requests are in a device specific format transforming the device requests into XML requests and then sending the XML requests to a platform kernel section, and transforming XML responses which are returned by the platform kernel section into the device specific format, said device-platform interface comprising: (1) a common transcoding section, for transcoding between the device specific format and XML; and (2)a device dependent component, the device dependent component comprising device type and transmitting protocol information; and

a service-platform interface, for abstracting service requirements of the services as a common base, providing an adapter for each of the services based on the service requirements, the adapter for transforming between service responses issued by the services and the XML responses,

wherein the platform kernel section is for managing user information, device information and service information, providing one of a synchronized and an asynchronized service engine, providing interfaces with modules in the platform kernel section, and transferring the XML requests and the XML responses among the modules and between services and devices.

2. (Previously Presented): A pluggable service delivery platform according to claim 1, wherein said platform kernel section further comprises three layers: a run-time layer, an administration layer, and a development layer; the run-time layer, the administration layer and the development layer are associated via a platform API; the run-time layer provides on-line information access, the administration layer is responsible for adding and deleting the user information, the device information and the service information, and the development layer provides support to new services and new devices.

3. (Previously Presented): A pluggable service delivery platform according to claim 1, wherein said platform kernel section further comprises: a profile manager, a billing interface, and a platform runtime monitor.

4. (Currently Amended): A pluggable service delivery platform according to claim 1, wherein said one of a synchronized and an asynchronized service engine provides synchronized requests ~~managed by a~~based on session and asynchronized requests ~~managed by a~~based on queue.

5. (Previously Presented): A pluggable service delivery platform according to claim 3, wherein said profile manager is used for managing the user information, the service information and the device information.

6. (Previously Presented): A pluggable service delivery platform according to claim 1, wherein said device-platform interface provides a corresponding gateway for each of the devices, for transforming the XML response into a file format which is adapted for the devices and transforming among communication protocols based on script languages of the devices stored in said device information.

7. (Cancelled).

8. (Previously Presented): A pluggable service delivery platform according to claim 1, wherein upon the platform running, a new kind of device can be incorporated by adding a gateway in the device-platform interface and adding an item in said device information without changing service system at a back-end of the platform.

9. (Previously Presented): A pluggable service delivery platform according to claim 1, wherein upon the platform running, a new kind of service can be incorporated by adding an adapter in the service-platform interface and adding an item in said service information without modifying the programs at a front-end of the platform.

Please note that the below amendments are intended to replace those of Applicant's prior response.

Amendments to the Specification

1) Please amend the paragraph on page 10, line 10-page 11, line 3 as follows:

The pluggable service delivery platform shown in FIG. 1 comprises three parts, Device Abstraction Layer (DAL), Service Abstraction Layer (SAL) and Kernel Service Engine. FIG. 1 focuses on components of a platform kernel. The details of SAL and DAL will be illustrated in FIG. 4 and FIG. 5 respectively. As shown in FIG. 1, the platform kernel comprises a service engine **101**, a runtime monitor **102**, a profile manager **103** and auxiliary components **104** (such as a security manager~~billing manager~~ **104a**, a billing manager~~security manager~~ **104b**, etc.) As shown in FIG. 1, XML is used within the platform as an interface language. XML is used widely in the platform to exchange information between different components in the platform. XML is also used in the DAL and SAL, such that information processed in the platform will be based on XML. For the service engine, both a synchronized service engine and an asynchronized service engine are provided. The synchronized service engine supports synchronized requests based on a session which are managed by a session manager. The asynchronized service engine supports asynchronized requests based on a queue which are managed by a queue manager. For example, the synchronized service engine can be based on IBM WebSphere which is a Web application server and has strong XML support.

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2) Please amend the paragraph on page 6, lines 9-14 as follows:

FIG. 4 shows the <u>service</u><s>device</s> abstraction layer (<u>service</u><s>device</s>-platform interface) of the pluggable service delivery platform of Fig. 1.

FIG. 5 shows the <u>device</u><s>service</s> abstraction layer (<u>device</u><s>platform</s>-<u>platform</u><s>service</s> interface) of the pluggable service delivery platform of Fig. 1.

3) Please amend the paragraph on page 9, line 19-page 10, line 2 as follows:

5. Device gateway: The device gateway in the present invention sits in the device abstraction layer. It can accept a request from a device over some sort of network protocol, transform the request into XML over HTTP, then the send the request to the platform kernel. After getting the data from the backend system through the platform kernel, it then transform the page into device readable page and send to the other device over the network that the device connects to. The device-platform interface may provide a corresponding gateway for each device. Each of the gateways is for transforming information representation XML into a file format which is adapted for various devices for displaying and transforming among communication protocols based on the script language of those devices stored in the device profile.